

BILL WILLIAMS RIVER BASIN
09426600 BILL WILLIAMS RIVER AT MINERAL WASH, NEAR PLANET, AZ
WATER-QUALITY RECORDS

LOCATION.--Lat 34°15'18", long 114°00'32", in SE1/4NE1/4 sec. 34, T.11 N., R.17 W., on boundary between Mohave and La Paz Counties, Hydrologic Unit 15030204, at convergence with Mineral Wash, 4 mi west of Planet Wash, 4 mi west of Planet Ranch, 6.1 mi upstream from waterline of Havasu Lake at elevation of 450 ft above sea level, and approximately 30 mi downstream from Alamo Lake.

DRAINAGE AREA.--5,320 mi², of which 686 mi² is below Alamo Dam, and 10 mi² is noncontributing.

PERIOD OF RECORD.--Dec. 1928 to Sept. 1940, Nov. 1942 to Oct. 1946, Jan. 1970 to Jan. 1972, Oct. 1974 to current year.

REVISED RECORDS.--WDR AZ-91-1: Drainage area.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE. Oct. 1974 to Sept. 1981.

WATER TEMPERATURE. Oct. 1974 to Sept. 1981.

REMARKS.--Streamflow ungaged.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instan- taneous dis- charge, cfs (00061)	wat unf lab, NTU (99872)	Tur- bidity, NTU (00076)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved percent of satura- tion (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf us/cm 25 degC (00095)	Temper- ature, watr, deg C (00020)	Temper- ature, air, deg C (00010)	Noncarb- hard- ness, wat flt field, mg/L as CaCO ₃ (00904)	Hard- ness, water, mg/L as CaCO ₃ (00900)	
DEC 22...	0930	5.3	--	14	760	6.4	61	7.8	1160	12.0	13.0	12	280	
FEB 26...	0915	6.7	12	--	752	6.5	66	7.9	1130	12.0	15.0	31	290	
MAY 26...	1120	.26	54	--	745	7.6	93	7.9	1090	30.0	24.0	28	280	
Date		Calcium water, unfltrd, mg/L (00915)	Magnes- ium, water, recover able, mg/L (00925)	Magnes- ium, water, unfiltrd recover able, mg/L (00927)	Potas- sium, water, recover able, mg/L (00935)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L as CaCO ₃ (00930)	Alka- linity, wat flt inc tit inincr. titr., field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat flt titr., field, mg/L (00453)	Carbon- ate, wat flt titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	
DEC 22...		73.0	75.0	23.0	24.0	7.10	3	130	265	323	<1	150	1.5	--
FEB 26...		73.9	--	24.2	--	7.76	3	116	255	310	<1	151	1.6	35.9
MAY 26...		69.8	--	24.8	--	7.49	3	126	249	304	--	147	1.4	31.6
Date		Residue water, fltrd, mg/L (00945)	Residue on water, fltrd, tons/ acre-ft (70301)	Residue evap. at 180degC wat flt mg/L (70303)	at deg. C, sus- pended, mg/L (00530)	org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (71845)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate + water, fltrd, mg/L as N (00631)	Nitrite + water, unfltrd mg/L as N (00630)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	
DEC 22...		93.0	637	.94	691	20	<.20	--	.03	.02	--	.100	--	--
FEB 26...		92.7	657	.93	685	--	.20	<.04	--	--	E.03n	--	<.008	E.01n
MAY 26...		84.9	644	.87	637	--	.21	E.02n	--	--	<.06	--	<.008	E.01n
Date		Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	COD, high level, water, unfltrd mg/L (00340)	E. coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli- form, M-FC 0.7u MF water, col/ 100 mL (31625)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Anti- mony, water, unfltrd ug/L (01097)	Arsenic water, fltrd, ug/L (01000)	Arsenic water, unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recover- able, ug/L (01007)	Beryll- ium, water, fltrd, ug/L (01010)
DEC 22...		--	.06	7	--	44	--	<1	1	4	8	90.0	100	<1
FEB 26...		E.02n	.06	--	64k	--	Mn	--	--	5	--	81	--	--
MAY 26...		<.04	.10	--	>1	--	2	--	--	3	--	99	--	--

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Date	Beryllium, water, unfltrd recover -able, ug/L (01012)	Boron, water, unfltrd recover -able, ug/L (01020)	Cadmium water, ug/L (01025)	Cadmium water, ug/L (01027)	Chrom- ium, water, unfltrd recover -able, ug/L (01030)	Chrom- ium, water, unfltrd recover -able, ug/L (01034)	Cobalt water, ug/L (01035)	Copper, water, unfltrd recover -able, ug/L (01040)	Copper, water, unfltrd recover -able, ug/L (01042)	Iron, water, unfltrd recover -able, ug/L (01046)	Iron, water, unfltrd recover -able, ug/L (01045)	Lead, water, unfltrd recover -able, ug/L (01049)	
DEC 22...	<1	370	377	<.5	<.5	<1	<1	--	<2	<2	5	857	<2
FEB 26...	--	--	--	<.2	--	<.8	--	.274	<1.2	--	7	--	<1
MAY 26...	--	--	--	<.2	--	<.8	--	.381	<1.2	--	8	--	Mn
Date	Lead, water, unfltrd recover -able, ug/L (01051)	Lithium water, unfltrd recover -able, ug/L (01130)	Mangan- ese, water, unfltrd recover -able, ug/L (01056)	Mercury water, unfltrd recover -able, ug/L (01055)	Mercury water, unfltrd recover -able, ug/L (71890)	Molyb- denum, water, unfltrd recover -able, ug/L (71900)	Nickel, water, unfltrd recover -able, ug/L (01060)	Nickel, water, unfltrd recover -able, ug/L (01065)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd recover -able, ug/L (01145)	Selen- ium, water, unfltrd recover -able, ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01075)	Silver, water, unfltrd recover -able, ug/L (01077)
DEC 22...	<2	--	138	166	<.1	<.1	--	<1	2	<1	<1	<1	<1
FEB 26...	--	60.2	60.0	--	<.02	--	6.4	1.76	--	E.3n	--	<.2	--
MAY 26...	--	55.0	51.9	--	<.02	--	6.7	1.64	--	.7	--	<.2	--
Date	Stront- ium, water, unfltrd recover -able, ug/L (01080)	Thall- ium, water, unfltrd recover -able, ug/L (01082)	Thall- ium, water, unfltrd recover -able, ug/L (01057)	Vanad- ium, water, unfltrd recover -able, ug/L (01059)	Zinc, water, unfltrd recover -able, ug/L (01085)	Zinc, water, unfltrd recover -able, ug/L (01090)	Zinc, water, unfltrd recover -able, ug/L (01092)	Sus- pended sediment concent- ration mg/L (80154)	Sus- pended sediment concent- ration mg/L (80155)				
DEC 22...	--	940	<2	<2	--	6	4	49	.70				
FEB 26...	1010	--	--	--	7.1	--	--	40	.73				
MAY 26...	943	--	--	--	4.5	--	--	121	.08				

Remark codes used in this table:

< -- Less than
 > -- Greater than
 E -- Estimated value

M -- Presence verified, not quantified

Value qualifier codes used in this table:

k -- Counts outside acceptable range
 n -- Below the LRL and above the LT-MDL